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CLAIMS

1. A method for producing an austenitic stainless steel thin strip casting through a continuous caster wherein mold walls move synchronously with the casting, characterized in that the pressing force P of the mold wall faces against the casting is more than 1.0 and less than 2.5 t/m.

2. A method for producing an austenitic stainless steel thin strip casting through a continuous caster wherein mold walls move synchronously with the casting, characterized in that the pressing force P of the mold wall faces against the casting is more than 1.1 and not more than 1.6 t/m.

3. A method for producing an austenitic stainless steel thin strip casting, characterized in that: a continuous caster used is a twin-drum type continuous caster; and the drum radius R (m) and the pressing force P (t/m) of mold wall faces satisfy the relation  $0.5 \leq (\sqrt{R}) \times P \leq 2.0$ .

4. A method for producing an austenitic stainless steel thin strip casting, characterized in that: a continuous caster used is a twin-drum type continuous caster; and the drum radius R (m) and the pressing force P (t/m) of mold wall faces satisfy the relation  $0.8 \leq (\sqrt{R}) \times P \leq 1.2$ .

5. A method for producing an austenitic stainless steel thin strip casting according to any one of claims 1 to 4, characterized in that the height of a molten steel pool formed between mold walls is not lower than 200 and not higher than 450 mm.

6. A method for producing an austenitic stainless steel thin strip casting according to any one of claims 1 to 5, characterized in that a solidification time defined by the span of time from the time when moving mold walls contact with molten steel to the time when the solidified shells of both sides unite is not shorter than 0.4 and

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not longer than 1.0 second.

5        7.    A method for producing an austenitic stainless steel thin strip casting according to any one of claims 1 to 6, characterized in that in-line rolling is applied during the process from molding to coiling.

10       8.    An austenitic stainless steel thin strip casting produced by a method according to any one of claims 1 to 7, characterized in that the degree of Ni inverse segregation defined by the ratio of the amount of Ni at Ni inverse segregation portions to the average amount of Ni in the entire steel is in the range from 0.90 to 0.97.